

22. (New) The method of claim 21, wherein said performing access control step (b) includes a step of determining whether copying/recording of said digital data is to be stopped or continued.

23. (New) The method of claim 22, wherein said performing access control step (b) includes a step of embedding a copy mark into said digital data in accordance with a content of said digital watermark.

[Cancel claims 5 and 6 and substitute the following new claim 24.]

24. (New) A method of performing playback control of scrambled digital data that is recorded onto a medium, comprising the steps of:

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C1
- (a) reading said scrambled digital data from said medium;
 - (b) descrambling said scrambled digital data read from said medium;
 - (c) detecting any digital watermark and copy mark that is electronically embedded in said digital data, said digital watermark being embedded through a transformation of said digital data; and
 - (d) performing playback control of said descrambled digital data using said digital watermark and said copy mark.

[Cancel claims 7-9 and substitute the following new claims 25 and 26.]

25. (New) A video driver card for creating digital data, comprising:
- (a) an encoder for receiving analog data and for outputting digital data;

(b) means for detecting any watermark that is electronically embedded in said outputted digital data, said electronically embedded watermark being a transformation of said digital data;

(c) means for adding a copy mark to said outputted digital data in accordance with a content of said watermark; and

(d) means for scrambling said outputted digital data containing said copy mark.

26. (New) The video driver card of claim 25, wherein said encoder is an MPEG encoder and wherein said outputted digital data is an MPEG stream.

[Cancel claims 10-13 and substitute the following new claims 27-29.]

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27. (New) A video driver card for decoding scrambled digital data, comprising:

(a) means for descrambling said scrambled digital data;

(b) means for detecting from said descrambled digital data any digital watermark and copy mark electronically embedded in said digital data, wherein said electronically embedded digital watermark is embedded in said digital data through a transformation of said digital data; and

(c) means for performing playback control of said descrambled digital data using said digital watermark and said copy mark.

28. (New) The video driver card of claim 27 wherein said scrambled digital data is an MPEG stream, and wherein said means for performing playback control (c) includes means for determining whether or not outputting said MPEG stream is to be performed and means for outputting said MPEG stream.

29. (New) The video driver card of claim 28, wherein said means for performing playback control (c) includes means for adding a copy mark to said MPEG stream in accordance with said electronically embedded digital watermark and copy mark.

Cancel claims 14-16 and substitute the following new claims 30 and 31.

30. (New) A recorder for recording digital data onto a medium, comprising:

- (a) an encoder for receiving analog data and for outputting digital data;
- (b) means for detecting any digital watermark that is electronically embedded in said outputted digital data, said digital watermark being electronically embedded in said digital data through a transformation of said digital data;
- (c) means for adding a copy mark to said outputted digital data in accordance with said digital watermark;
- (d) means for scrambling said outputted digital data including said digital watermark and said copy mark; and
- (e) means for recording said scrambled digital data onto a medium.

31. (New) The recorder of claim 30 wherein said encoder (a) is an MPEG encoder and wherein said outputted digital data is an MPEG stream.

Cancel claims 17-20 and substitute the following new claims 32-34.

32. (New) A player for playing-back scrambled digital data that is recorded onto a medium, comprising:

- (a) means for reading said scrambled digital data from said medium;
- (b) means for descrambling said scrambled digital data read from said medium;
- (c) means for detecting from said descrambled digital data any digital watermark and copy mark that is electronically embedded in said digital data, wherein said digital watermark is electronically embedded through a transformation of said digital data; and
- (d) means for performing playback control of said descrambled digital data using said detected digital watermark and said detected copy mark.

33. (New) The player of claim 32 wherein said descrambled digital data is an MPEG stream, and wherein said means for performing playback control (d) includes means for determining whether or not outputting of said MPEG stream is to be performed and for outputting said MPEG stream.

34. (New) The player of claim 33 wherein said means for performing playback control (d) includes means for adding a copy mark to said outputted MPEG stream in accordance with said digital watermark.